

## ABSTRACT

This invention relates to a switching circuit, such as a bridge circuit, comprising first and second switches operable to produce an electrical signal at the output of the switching circuit at certain voltages. Moreover, this invention also relates to a method of operating such a switching circuit. The switching circuit comprises an input operable to receive a DC signal of  $+V_s$ , an output, first and second switches operable in response to first and second switching signals to be switched between on and off states such that switching between various combinations of on and off states produces an electrical signal at the output with voltage pulses at levels of  $+V_s$ ,  $0V$  and  $-V_s$  and a voltage sensor for producing a signal indicative of a voltage offset in the switching circuit. Voltage effects in the switching circuit can be compensated for by using the signal produced by the voltage sensor.